LIMA LOCOMOTIVE CORPORATION

LIMA, OHIO, U. S. A.

Locomotive Tender

DETAIL INDEX No. 5554-T

Class 8-10500 Dept. DRAWING ROOM

W. MD. MALLET

FOR USE WITH

Engines No. 5554-63 19 16

Engines No. 19

Engines No. 19

Engines No. 19

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FIRE FILE

Index No._____ Date of Issue_____

ADDITIONS AND CHANGES

Date	ADDITIONS	Charge	Date	ADDITIONS	Charge	Date	CHANGES	Charge

Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
1		DRAWGEAR		850-D-137	CARDWELL G-17-ORD.	—	—	✓ —	—	—
2		Coupler Pocket	—							
3		" ~~Follower~~ YOKE CARRIER	1	460-D-226	—	—	—	✓ 26334	—	—
4		" Yoke	1	850-D-137	UNIVERSAL DG. ATTACH. CO.		—	✓ —	—	—
5		" Follower Guide	—							
6		" Carry Iron	1	850-D-137	—	1½"x5"x35" LONG	—	✓ —	—	—
7		DRAFT ~~Hook~~ GEAR SPRING ROD	1	D-46027	NUT FURNISHED BY CARDWELL	D-46027	—	✓ —	—	—
8		" Link								
9		" Lever								
10		" Screw								
11		COUPLER Chain	1	—	—	TO SUIT FRAME SHOP	—	✓ —	—	—
12		" " Clevis	—							
13		Drawbar Pin	1	270-D-126	—	270-D-126	—	✓ —	—	—
14		" " SUPPORT	1	460-D-144	—	270-S-103	—	✓ —	—	—
15		Safety Chain Pin	—							
16		Draft Gear ~~Check Casting~~ SPRING GUARD	R 1 L 1	850-D-137	—	460-S-230		✓		
17		" " Key	1	460-D-227	CARBON STEEL HEAT TREATED	460-D-227		✓		
18		~~Drawhead Brace~~ WASHER	1	"	MALL. ORD. ON P.D.	—		✓		
19		Uncoupling Shaft	1	850-D-137	—	270-S-106		✓		
20		" " Arm	—							
21		" " Bracket	3	D-27047	—	—	270-P-11	✓ —	—	—
22		DRAFT GEAR KEY COTTER	1	460-D-227	—	460-D-227	—	✓ —	—	—
23										
24										
25										
26										
27										
28		FRAME M.O. 1578	1	850-E-145	—			✓		
29		" Center Sill	2	"	13"-55# CHANNELS			✓		
30		" Side Sill	2	"	10"-30# "			✓		
31		" End Sill								
32		" Corner Angle								
33		" " Bracket								
34		" " Knee - FRONT	2	850-E-145	—	460-S-74	—	✓ —	—	—
35		" Brace								
36		" "								
37		" "								
38		" Filling, BOLSTER	R 8 L 8	460-D-148	⅞" PLATE - ORD.	—	—	✓ —	—	—
39		" "								
40		" Pull Rods								
41		" Bolster								
42		" " Angle								
43		" " Plate								
44		" " Truss Bar								
45		" " " Brace	4	850-E-145	¾"x12" PLATE - ORD	460-S-237	—	✓ —	—	—
46		" " " Plate	4	"	½"x12" " - "	460-S-238	—	✓ —	—	—
47		" " " Rods	—							
48		" " Tie Plate	—							
49		" Center Plate	2	460-D-143	—	—	—	✓ 460-P-27	—	—
50		" Side Bearing	4	460-D-221	PLATES TO PROVIDE 3/16" CLEARANCE BET. FRAME & TRUCK	—	—	✓ 25189	—	—
51		" " "	—							
52		Draw Casting-Front	1	460-D-144	—	2-BUSHINGS 6¾" DIA. x 4½" FIN. SIZES - CASE HARDENED	—	✓ 460-P-26	—	—
53		Bumper-Front								
54		Safety Chain								
55		" " Clevis								
56		" " Staple								
57		Chafing Casting REAR	1	460-D-146	—	—	—	✓ 460-P-28	—	—
58		" Iron FRONT	1	—	RADIAL BUFFER	—	—	✓ —	—	—
59		Spring Buffer	—							
60		WRECKING FROG ~~Clevis~~ BRACKET	1	850-E-145	—	460-S-131	—	✓ —	—	—
61		" " "	1	"	—	460-S-233	—	✓ —	—	—

Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		FRAME (Cont.)								
1		Draw Casting-Back	1	460-D-228	—	—	—	460-P-31	—	—
2		Bumper-Back	—							
3		Push Pole Pocket	2	D-25102	—	—	250-P-5	—	—	—
4		" " ~~Support~~ Hook	2	850-E-145	—	460-S-129	—	—	—	—
5		Check Chain								
6		" " Pocket								
7		" " Hook								
8		Tender Floor	1	850-E-145	2"x10" OAK					
9		" " Edge	2	"	2"x2"x¼" ANGLE					
10		" Deck	1	470-E-413	WOOD & PLATE					
11		" " Shovel Plate	—							
12		TOOL HOOK	3	850-E-145	—	460-S-130				
13		PUSH POLE	1	520-D-149	MATERIAL ORD. ON EQUIPMENT SHEET	—				
14		" " SUPPORT	2	"	—	460-S-134				
15		WATER CONNECTION BRACKET	—							
16										
17										
18		FRAME BODY BRAKE		850-E-145	—	—	—	—	—	—
19		Body Brake Lever	2	480-D-140	—	480-D-140	—	—	—	—
20		" " "	—							
21		" " " Support	1	850-E-145		480-S-118				
22		" " " "	1	"		480-S-119				
23		" " Connecting Rod	R 1	D-4861- GROUP 8		D-4861- GROUP 8				
24		" " " "	L 1	" - 24		" - 24				
25		" " Equalizer								
26		" " Fulcrum								
27		" " Rod								
28		" " Clevis								
29		" " Sheave								
30		" " " Support								
31		" " Shaft								
32		" " " Cap								
33		" " " Hanger								
34		" " " Step								
35		" " " Wheel								
36		" " " Handle								
37		" " " Pawl								
38		" " " " Plate								
39		" " " Ratchet								
40		" " " Weight								
41		" " Cylinder	1	850-E-145	14"x12"	—	—	—	—	—
42		" " " Head								
43		" " " "								
44		" " " Support								
45		Tender Brake Piston								
46		" " " Follower								
47		" " " ~~Ring~~ ROD	1	D-4868- LINE 9	—	D-4868- LINE 9	—	—	—	—
48		" " " Rod								
49		Brake Reservoir Hanger								
50		" " Strap								
51		" PINS	2	D-30104- LINE 5		D-30104- LINE 5				
52		" "	4	" - LINE 23		" - LINE 23				
53		" "	2	" - LINE 24		" - LINE 24				
54										
55										
56										
57										
58										
59										
60										
61										

Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
1		HANDRAIL								
2		" Column								
3		" "								
4		" Ball								
5		" Flange								
6		" "								
7		Bumper Handle	2	850-D-137	—	420-S-111	—	✓ —	—	—
8		" "	—							
9		Tank Handle - FRONT	2	470-E-413	〃	470-S-250	〃	✓ 〃	〃	〃
10		" " - REAR	2	〃	〃	470-S-249	〃	✓ 〃	〃	〃
11		" " - " TOP	2	〃	〃	470-S-267	〃	✓ 〃	〃	〃
12										
13										
14										
15										
16										
17		HANGERS	—							
18		PIPING BETWEEN ENG. & TENDER								
19		WATER JOINT HANGER								
20		PIPE ELBOW - AIR BRAKE								
21		" " SUPPORT								
22		PIPE CLAMPS								
23		PIPING BETWEEN ENG. & TENDER		560-D-631	〃	—	—	✓ 〃	〃	〃
24		WATER JOINT HANGER	1	〃	〃	560-S-281	—	✓ —	—	—
25		PIPE ELBOW, AIR BRAKE	1	560-D-604	〃	—	560-P-73	✓ 〃	〃	〃
26		" " SUPPORT	1	560-D-608	STYLE 1	560-D-608	—	✓ —	—	—
27										
28										
29		PILOT								
30		" Band								
31		" Brace								
32		" "								
33		" Bottom Plate								
34		" Bracket								
35		" Corner Iron								
36		" Knee								
37		" Nose								
38		" Shoe								
39		" Strap								
40		" Sword								
41										
42										
43										
44										
45										
46										
47		STEPS—Front	2	410-D-83	DRILL R. & L.	—	410-P-26	✓ —	—	—
48		Front Step Hanger	—							
49		" " Brace R / L	1 / 1	850-E-145	—	410-S-105	—	✓ —	—	—
50		Steps—Back	2	410-D-83	DRILL R. & L.	—	410-P-26	✓ —	—	—
51		Back Step Hanger	—							
52		" " Brace R / L	1 / 1	850-D-137	—	410-S-106	—	✓ —	—	—
53		Tank Step	—							
54		" "	—							
55		Tank Ladder	1	470-D-244	〃	470-D-244	—	✓ 〃	〃	〃
56		" DECK SUPPORT - OUTSIDE R / L	1 / 1	410-D-36	〃	—	410-P-27 / 410-P-28	✓ 〃	〃	〃
57		" " " - INSIDE R / L	1 / 1	410-D-37	〃	—	23032 / 23033	✓ 〃	〃	〃
58										
59										
60										
61										

Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
1		SIGNAL FIXTURES								
2		Flag Socket								
3		Marker Bracket								
4		Lamp Bracket	2	520-D-146	—	—	—	✓ —	—	520-P-11
5		" Hook								
6		Pail Hook								
7		Headlight Bracket								
8		" Shelf								
9		OWNERSHIP PLATE	2	420-D-1107	ON OUTSIDE FRAME CHANNEL NEAR CENTER OF FRAME		420-P-238	✓ —	—	—
10										
11										
12										
13										
14										
15		STEAM HEAT	—							
16		" " Piping	—							
17										
18										
19										
20										
21		SAND BOX								
22		" " Handle								
23		" " Brace								
24		" Scoop								
25										
26										
27										
28										
29		SPRINGS								
30		Truck Spring	24	—	CLASS D- M.C.B. ORD.	—	—	✓ —	—	—
31		" "								
32		" " End Washer								
33		" " " Block								
34		Buffer Spring								
35		Coupler Spring								
36		Draw Spring	2	850-D-137	DOUBLE COIL $7\frac{3}{4}$" O.S.D.-$1\frac{9}{16}$" STEEL-$9\frac{1}{2}$" FREE HEIGTH			✓ —	—	—
37		" "	—		$4\frac{1}{2}$" " $1\frac{5}{16}$" " $9\frac{1}{2}$" " "					
38		Water Scoop Spring	—							
39		BRAKE BEAM LEVELING SPRING	4	450-D-263	MAT'L ORD.	450-D-263	—	✓ —	—	—
40										
41										
42		TANK LUG BRACES - REAR	4	470-D-246	—	—	—	✓ 470-P-35	—	—
43		" " " - FRONT	2	"	—	—	—	✓ 470-P-37	—	—
44										
45		TANK—Water	1	887 A 8	TOOL CLOSETS TO HAVE WOOD FLOORS 10500 GALLON	BEND ANGLES & TEES	—	✓ —	—	—
46		" Material Bill M.O. 1994-A								
47		" Angle Iron								
48		" Brace								
49		" Knee								
50		" Lifter Iron								
51		" Drain Pipe								
52		" " " Flange								
53		" FUNNEL LID SUPPORT	2	470-E-413		470-S-252		✓		
54		" ~~Fuel Rack~~ TOOL HOOK	1	"		470-S-268		✓		
55		" Tool Hook	1	"		470-S-269		✓		
56		" Lug	6	"		470-S-07		✓		
57		" "	—							
58		" Funnel	1	470-D-446	—	—	470-P-41	✓		
59		" " Lid	1	"	$\frac{1}{4}$" PLATE	—		✓		
60		" " Hinge	2	"	—	470-S-246		✓		
61		" " Handle	1	"	—	470-S-91		✓		

Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		TANK—Water (Cont.)								
1		Tank Coal Gate	1	470-D-407	5/16" PLATE - ORD.	—		✓		
2		Coal Gate Angle	2	"	3"x3"x3/8" - "	—		✓		
3		" " Catch	4	"		470-S-258		✓		
4		" " Latch	2	"		470-S-257		✓		
5		" " Hinge	10	"		470-S-262		✓		
6		" " ~~Chain~~ EYE BOLT	2	"		470-S-260		✓		
7		Tank Valve 2½" GATE	2	—	2½" MALL. IRON BODY - ORD.	—		✓		
8		" " Body								
9		" " Seat								
10		" " Rod								
11		" " Arm								
12		" " Handle								
13		" " Gland								
14		" " Goose Neck								
15		" " Nut								
16		" " Sleeve								
17		" " Hose Nut								
18		" " " Swivel								
19		Tank Valve Flange	2	470-D-245	—	—	470-P-38	✓ —	—	—
20		" " "	—							
21		" " Strainer	4	D-47050-2 LINE				✓	470-P-43	
22		Tank ~~Well~~ "	4	"				✓	470-P-44	
23		" " ~~Plug~~ COVER	2	"				✓	470-P-42	
24		" Syphon								
25		" " Pipe Support								
26		" " Brace								
27		Coal Passer								
28		" " Hod								
29		" " Angle Iron								
30		" " Tee Iron								
31		" " Hinge								
32		" " Brace								
33		" " Cylinder								
34		" " " Head								
35		" " Piston								
36		" " " Rings								
37		" " " Rod								
38		" " " " Hinge								
39		" " Piping								
40		" GATE HINGE	8	470-D-407		470-S-261		✓		
41		" " "	2	"		470-S-403		✓		
42		" " CATCH BRACKET	4	"	WITH 7/8" SQUARE BOLT AS SHOWN	470-S-259		✓		
43		" " SLIDE CLAMP	2	"		470-S-308		✓		
44		" CUT OUT FOR STOKER		390-E-723	PLATE ORD.	—		✓		
45		" COAL GATE HANDLE	2	470-D-407	—	470-S-312		✓		
46		TANK—Oil								
47		" Material Bill								
48		" Angle Iron								
49		" Brace								
50		" Lifter Iron								
51		Tank Lug								
52		" "								
53		Tank Funnel								
54		" " Lid								
55		" " Hinge								
56		" " Screw								
57		" " Handle								
58		" " Gasket								
59										
60										
61										

Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		TANK—Oil (Cont.)								
1		Oil Tank Plug								
2		" " Valve								
3		" " " Seat								
4		" " " Rod								
5		" " " Arm								
6		" " " Gland								
7		" " " Goose Neck								
8		" " " Nut								
9		" " " Sleeve								
10										
11										
12										
13										
14										
15										
16		TRUCK	2	840-D-45	ECONOMY ARTICULATED 6"x11" JOURNALS		—	✓	—	—	—
17		" Arch Bar								
18		" Truss Bar								
19		" Tie Bar								
20		" Columns								
21		" "								
22		" Bolster	2	840-D-45	ECONOMY ORD.	—	—	✓	—	—	—
23		" " Guide	4	"	" "	—	—	✓	—	—	—
24		" " Bar								
25		" " Cap								
26		" " Truss Rod								
27		" " " " Washer								
28		" " " " Handle								
29		" Center Plate								
30		" King Bolt	2	450-D-265	—	450-D-265	—	✓	—	—	—
31		" " " Keys	4	"	STYLE 2	"	—	✓	—	—	—
32		" Spring Plank	—								
33		" " Seat	8	840-D-45	ECONOMY-ORD.	—	—	✓	—	—	—
34		" " Guide									
35		" " Hanger									
36		" " "									
37		" " " Gib									
38		" Side Bearing	4	840-D-45	STUCKI-ORD.	—	—	✓	—	—	—
39		" " " Block	—								
40		" Frame	4		ECONOMY-ORD.	—	—	✓	—	—	—
41		" " Brace									
42		" " Crosstie									
43		" Pedestal									
44		" "									
45		" " Cap									
46		" " " Tie									
47		" Equalizer	8	840-D-45	ECONOMY-ORD.	—	—	✓	—	—	—
48		" " PIN	8	"	—	450-5-174	—	✓	—	—	—
49		" Swing Frame									
50		" " Link									
51		" " Pins									
52		" Check Chain									
53		" " " Bolt									
54		" " " Clevis									
55		" " " Pocket									
56		" EQUALIZER SAFETY CLIP	8	840-D-45	—	450-5-179	—	✓	—	—	—
57											
58											
59											
60											
61											

Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING Card No.	PRINCIPAL DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
1		TRUCK BRAKE		840-D-45	—	—	—	✓	—	—
2		" " Beam	4	"	WAYCOTT #1-HIGH SPEED	—	—	✓	—	—
3		" " " Column	—							
4		" " " Truss	—							
5		" " " Support	8	840-D-45	MAKE TWO FOR CHECKING LENGTH	450-S-178	—	✓ —	—	—
6		" " " Safety ~~Chain~~ BAR	4	"	—	450-S-175	—	✓ —	—	—
7		" " Head								
8		" " Shoe W.M.D. STD.	8	—	A.B.S. & FDRY CO.	—	—	✓ —	—	—
9		" " " Key	8	—	—	—	—	✓ —	—	—
10		" " " Clevis	—							
11		" " Lever	2	450-D-264	—	450-D-264	—	✓ —	—	—
12		" " " Guide	—							
13		" " Dead Lever	2	450-D-264		450-D-264		✓		
14		" " " " Anchor	2	840-D-45		450-S-103		✓		
15		" " Lever Rod	2	D-45009-13 GR.		D-45009-13 GR.		✓		
16		" " DEAD " ANCHOR LUG	2	840-D-45		450-S-177		✓		
17		BRAKE BEAM LEVELING EYE BOLT	4	450-D-263		450-D-263		✓		
18		TRUCK BRAKE PINS	8	D-30104-16 LINE		D-30104-16 LINE		✓		
19		" " "	8	" - 37 LINE		" - 37 LINE		✓		
20		" " "	4	" - 24 LINE		" - 24 LINE		✓		
21		" " "	8	" - 7 LINE		" - 7 LINE		✓		
22		TRUCK WHEEL	8	D-45132-6	DORIS CAST STEEL	—		✓		
23		Wheel Pressed On Axle (Tons)								
24		Wheel Center								
25		" Tire								
26		Tire Retaining Ring								
27		Tender Axle	4	450-D-02	M.O. 1366-A	—	—	✓ —	—	—
28		" Box & LIDS	8		NATL. MALL CSTG	—	—	✓ —	—	—
29		" " Lid	—							
30		" " " Spring	—							
31		" " Journal Brass	8		6"x11" M.C.B. ORD.			✓		
32		" " " Wedge	8		DROP FORGED-ORD.			✓		
33		" " Dust Guard	8		HARRISON			✓		
34										
35										
36										
37										
38										
39										
40		TOOL BOX								
41		" "								
42		" " Handle								
43		" " "								
44		" " Brace								
45		" " "								
46		" CLOSET HINGE	4 4	470-D-43	—	WITH PINS	—	✓ —	—	— 470-P-39 470-P-40
47										
48										
49										
50										
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										
61										

Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
1		VALVES, COCKS & FITTINGS								
2		Angle Valve								
3		" " Cap								
4		" " Stem								
5		" " Gland								
6		" " Nut								
7		" " Handle								
8		" " Coupling Nut								
9		" " Swivel								
10										
11		Box Cooler Valve								
12		" " " Cap								
13		" " " Stem								
14		" " " Gland								
15		" " " Nut								
16		" " " Handle								
17		" " " Coupling Nut								
18		" " " Swivel								
19										
20		Box Cooler Hose								
21		" " Fitting								
22		" " " Nut								
23		" " " Swivel								
24										
25		Oil Tank Cock								
26		" " " Cap								
27		" " " Plug								
28		" " " Nut								
29		" " " Washer								
30		" " " Handle								
31										
32		Tank Cock COMPLETE	1	D-47007- LINE 3	ORD.	—	—	✓	—	—	—
33		" " Plug								
34		" " Nut								
35		" " Washer								
36		" " Handle								
37		" " Hose Nut								
38		" " " Swivel								
39										
40										
41										
42										
43										
44										
45		WATER COOLER								
46		" " Base								
47		" " Top								
48		" " Lid								
49		" " Casing								
50		" " Cock								
51		" " " Plug								
52		" " " Nut								
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Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
1		WATER SCOOP								
2		Scoop Cylinder								
3		" " Head								
4		" " "								
5		" Piston								
6		" " Rings								
7		" " Rod								
8		" Inside Pipe								
9		" Outside Pipe								
10		" Air Pipe Casing								
11		" Neck								
12		" Splash Hood								
13		" Dipper								
14		" " Link								
15		" " Lifter								
16		" Shaft								
17		" " Fulcrum								
18		" Bell Crank								
19		" Arm								
20		" Spring								
21		" " Rod								
22		" " Seat								
23		" Jaws								
24		" Rods								
25		" Lever								
26		" Link								
27		" Bracket								
28		" Brace								
29		" Pipe Hanger								
30		" Operating Valve								
31		" " " Cap								
32		" " " Plug								
33		" " " Nut								
34		" " " Handle								
35		" " " Quadrant								
36		" " " Spring								
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Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
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Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
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Item	Check	TITLE	No. Pce.	PRINCIPAL DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
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